



Date: 02.12.2015

Ananthapuramu Ultra Mega Solar Power Project (1000 MW)
N P Kunta Ananthapuramu Dist. (AP)
Phase-1: 250 MW (5 X 50 MW)

Progress Report: As on 01.12.2015

A. Project Synopsis:

Location	NP Kunta village and Mandal, Ananthapuramu district, AP
Nearest Railhead / Airport	Kadiri Railway Station (30 Km) / Bangalore International Airport (220 Km)
Approved Capacity	250 MW phase I (Five Blocks of 50 MW)P1,P2,P3,P4,P5
Investment approval	28.04.2015
Beneficiary / Status of PPA	Andhra Pradesh. PPA Signed with AP Southern Power Distribution Company on 24.04.2015.
Power Evacuation System	33 kV voltage level from each block of 50 MW upto APTRANSCO's pooling substation & at 220 / 400 KV beyond that point.
INPUTS:	
Land Requirement	1250 Acres land has been handed over to NTPC.
EPC Contract award	NOA issued on 29.04.15 to the following bidders: <input type="checkbox"/> P1 & P2 Block (2x50MW=100 MW) : M/s Tata <input type="checkbox"/> P3 Block (50 MW) : M/s Lanco <input type="checkbox"/> P3 Block (50 MW): M/s BHEL <input type="checkbox"/> P4 Block (50 MW): M/s Sterling &Wilson
Commissioning Schedule	<input type="checkbox"/> P2 to P5 blocks ----Apr 2016 <input type="checkbox"/> P1 block -----Oct 2016



B. Highlights:

- a) PV module erection started in P-3 & P-4 blocks.
- b) CMCS, PEB building and transformer foundations works are in progress in all blocks.
- c) Cable trench excavation in progress in P-2 to P5 block.
- d) SMUs, HT Cables (33 KV) & DC cables started arriving at site.

a) Work Progress:

Sl. No.	Activity	P2 (Tata)	P3 (Lanco)	P4 (BHEL)	P5 (Sterling & Wilson)	P1 (Tata)
1	MMS Foundation casting (Nos.)	17260/33486	9025 / 33336	10000 / 33572	14404 / 33264	-/33486
2	MMS tables	830/8353	187 / 8334	Started / 8393	1142/8316	-/ 8353
3	CMCS building	Reached plinth beam level	Preparatory work for roof slab casting in progress.	Preparatory work for roof slab casting in progress.	Columns upto roof slab completed. Cable trench work in progress.	Excavation commenced.
4	PEB building (Inverter room)	Cable trench in progress in 3 out of 12.	Plinth beam concreting completed in 4 out of 9.	Footing concrete completed in 2 out of 9.	Plinth beam concreting done in 4 blocks. Work under progress in balance 5.	Drawing received.
5	Modules received (MW)	26.54	7.83	13.7	9.3	



b) Constraints / Road blocks:

1. Poor condition of approach road:

During the recent rain (9/11 to 23/11), movement of men and material to the project site was seriously affected due to poor condition of approach road. This has significantly affected progress of site works. Even though NTPC has been insisting for the readiness of the road since May 2015, the road is still not ready. The work started only during mid October 2015.

2. 33 KV cable support structures:

33 KV cable support structures along the canal side fence (P1 to P5 blocks) has to be made ready on priority, before end December 2015, for laying the cables from individual blocks to 33/220 KV substation of APTRANSCO.

3. Readiness of Substations:

Readiness of 33 / 220 KV substation of APTRANSCO and 400 kV switchyard of Power Grid and associated transmission system may be ensured two to three months before the plant commissioning for providing startup power and to evacuate the power from PV plant.



4. Bridges across the HNSS canal:

Bridges across the HNSS canal may be made ready on priority, since Ph-2 EPC contracts are now expected to be awarded by January 2016. Techno-commercial bids were opened on 26.11.2015.

5. Communication facility is required for Phase-1, as the site activities are affected by poor connectivity / communication. No e-mail facility is available at site.
6. Main road from Kadiri to N P Kunta got damaged at several places during the recent rain and needs immediate repair.

C. Progress Photos :

Photos are annexed to this report.

-000-

Ananthapuramu Ultra Mega Solar Power Project (1000 MW)
N P Kunta Ananthapuramu Dist. (AP)
Site Photos



Figure-1: CMCS room of P-2 block (M/s Tata) as on 27.11.2105



Figure-2: Excavation for PEB (inverter room) in P-2 block (M/s Tata) as on 29.11.2015



Figure-3: CMCS building of P-3 block (M/s Lanco) as on 25.11.2015



Figure-4: Cable trench work of CMCS building in P-3 block (M/s Lanco) as on 27.11.2015



Figure-5: PV module erection in P-4 block (M/s BHEL) on 28.11.2015



Figure-6: Excavation for 33 KV cable support foundations in P-4 block (M/s APSPCL) as on 28.11.2015



**Figure-7: CMCS building of P-5 block
(M/s Sterling & Wilson) as on 29.11.2015**



**Figure-8: Cable trench in CMCS building of P-5 block
(M/s Sterling & Wilson) as on 29.11.2015**



**Figure 9: PV module erection in P-3 block
(M/s Lanco solar) as on 26.11.2015**